



10007794-1

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AMENDMENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Chen, Zhizang, et al.

Art Unit: 2822

Examiner: Lewis, Monica

RECEIVED

AUG 21 2002

TECHNOLOGY CENTER 2800

5      Serial Number:      09/846,127  
      Filed:                  April 30, 2001  
      Title:                 TUNNELLING EMITTER  
      Date:                 August 2, 2002

10      AMENDMENT UNDER 37 CFR § 1.111

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Sir:

15      In response to the Office Action dated May 8, 2002 please amend the above-identified patent application as follows:

In the Title:

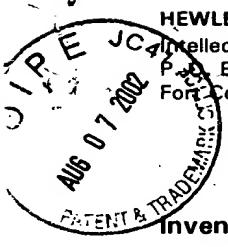
20      Delete the title "TUNNELING EMITTER" and substitute therefor – ANNEALED TUNNELING EMITTER –

In the Specification:

25      Please replace the paragraph on page 5 lines 11-23 with the following:

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Fig. 2 is an exemplary diagram of a use for the emitter 50 of Fig. 1. In this application, the electron emission 16 is focused by an electrostatic focusing device or lens 28, exemplified as an aperture in a conductor that is set at predetermined voltage 36 that can be adjusted to change the focusing effect of the lens 28. Those skilled in the art will appreciate that lens 28 can be made from more than one conductor layer to create a desired focusing effect. The electron emission 16 is focused by lens 28 into a focused beam 32 onto an anode structure 30. The anode structure 30 is set at an anode voltage  $V_a$  26 which



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Intellectual Property Administration  
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2822  
PATENT APPLICATION

ATTORNEY DOCKET NO. 10007794 -1

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Zhizhang Chen et al

Confirmation No.: 5243

Application No.: 09/846127

Examiner: Lewis, Monica

Filing Date: Apr 30, 2001

Group Art Unit: 2822

Title: Tunneling Emitter

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

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TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment ( ) Petition to extend time to respond  
( ) New fee as calculated below (X) Supplemental Declaration  
( ) No additional fee (Address envelope to "Box Non-Fee Amendments")  
(X) Other: IDS 1449 (fee \$       )

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS	71	MINUS	71	= 0	X \$18	\$ 0
INDEP. CLAIMS	9	MINUS	9	= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM						+ \$280
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Zhizhang Chen et al

By Timothy F. Myers

Timothy F. Myers

Attorney/Agent for Applicant(s)  
Reg. No. 42,919

Date: Aug 2 2002

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: Aug 2 2002

Typed Name: Timothy F. Myers

Signature: Timothy F. Myers

Telephone No.: (541) 715-4197

- Attach as First Page to Transmitted Papers -